

FIG 1

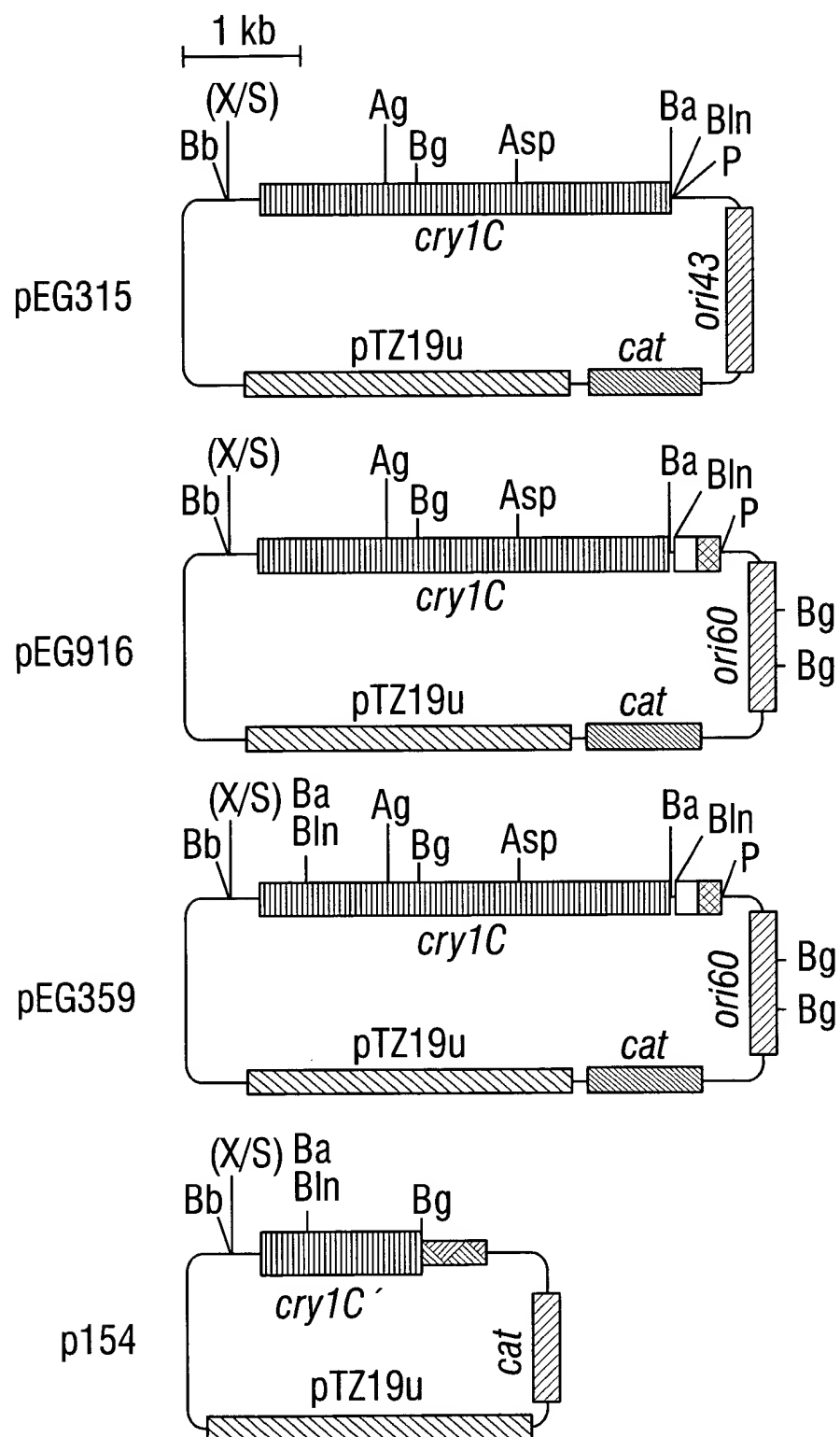


FIG. 2

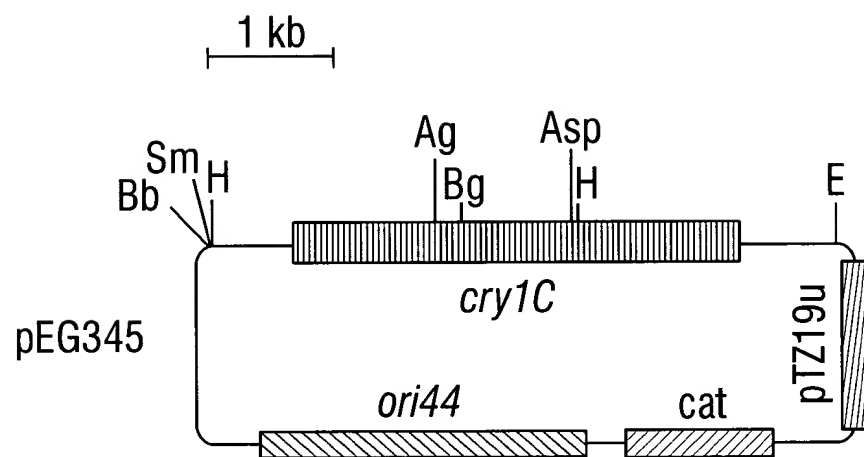


FIG. 3

# Target site

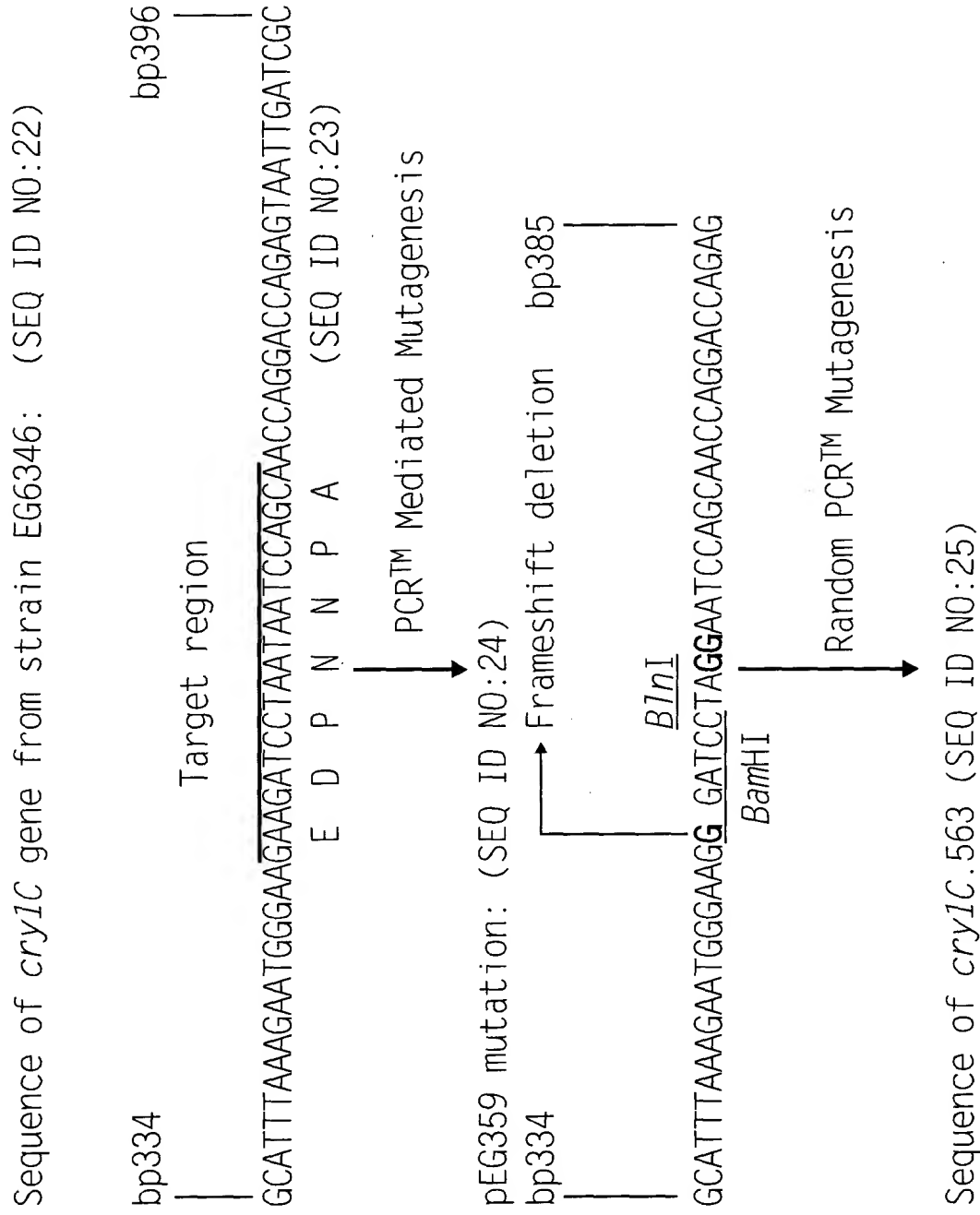


FIG. 4A

# Target Sequence

bp334 |  
 GCATTAAAGAATGGGAAGATGATCCTCATAATCCCAACCAGGACCAGAGTAATTGATCGC  
 bp396 |  
 Target region  
 D D P H N P T (SEQ ID NO:26)

Sequence of *cry1C.579* (SEQ ID NO:54)

bp334 |  
 GCATTAAAGAATGGGAAGTAGATCCTAATAATCCTGGAACCAGGACCAGAGTAATTGATCGC  
 bp396 |  
 Target region  
 V D P N N P G (SEQ ID NO:55)

Sequence of *cry1C.499* (SEQ ID NO:56)

bp334 |  
 GCATTAAAGAATGGGAAGAAGATCCCAATAATCCAGCAACCAGGACCAGAGTAATTGATCGC  
 bp396 |  
 Target region  
 E D P H N P A (SEQ ID NO:57)

FIG. 4B

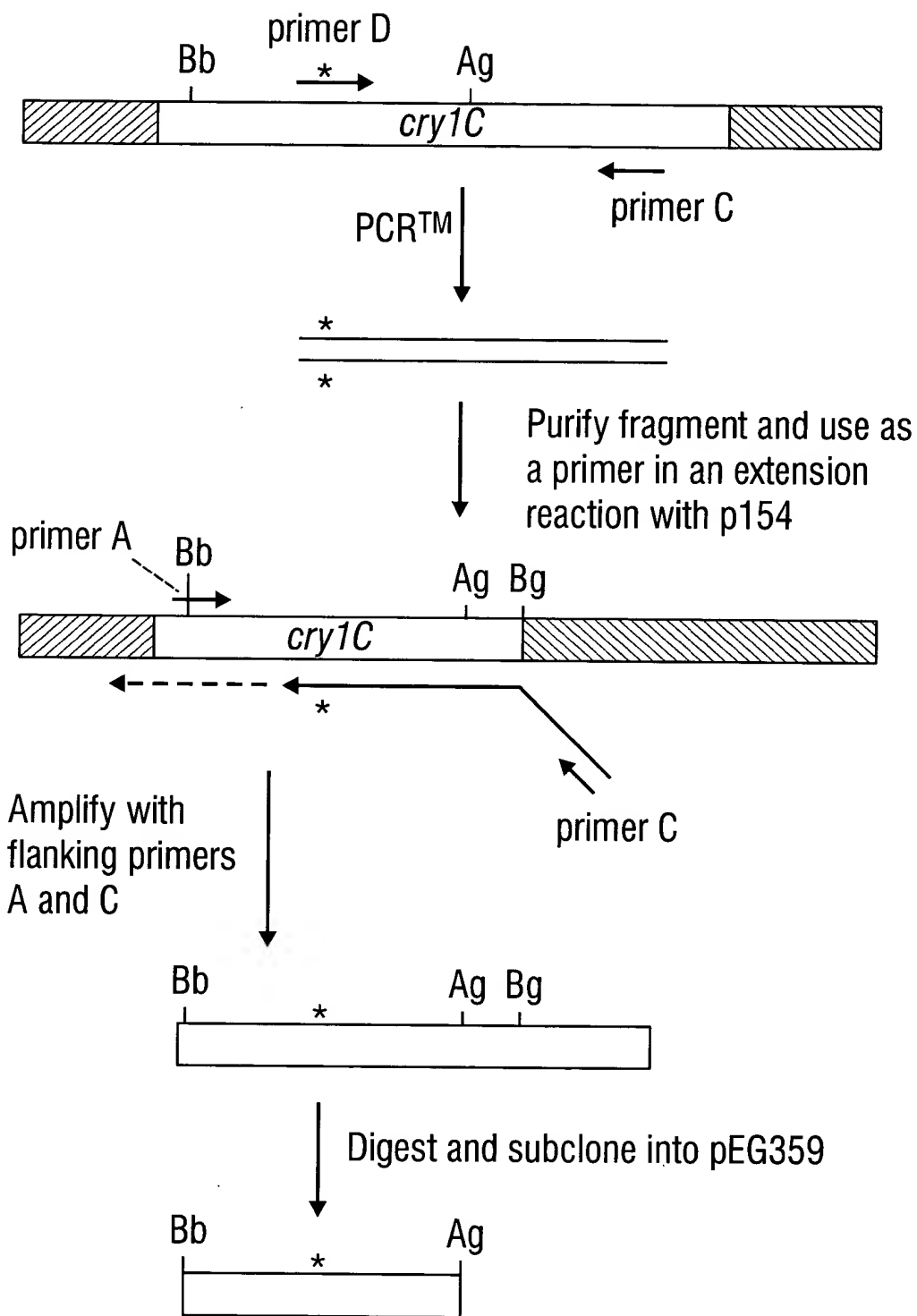


FIG. 5

Figure 6A

CRYIAa	TNPALREEMRIQFNDMNSALTTAIPLLAVQNYQVPLLSVYVQAANLHLSV	171	SEQ ID NO:28
CRYIAd	TNPALTEEMRIQFNDMNSALTTAIPLFTVQNYQVPLLSVYVQAANLHLSV	171	SEQ ID NO:29
CRYIAb	TNPALREEMRIQFNDMNSALTTAIPLFAVQNYQVPLLSVYVQAANLHLSV	171	SEQ ID NO:30
CRYIAe	TNPALREEMRIQFNDMNSALTTAIPLFTVQNYQVPLLSVYVQAVNLHLSV	171	SEQ ID NO:31
CRYIAC	TNPALREEMRIQFNDMNSALTTAIPLFAVQNYQVPLLSVYVQAANLHLSV	171	SEQ ID NO:32
CRYIFa	NNAQLREDVRIRFANTDDALITAINNFTLTSFEIPLLSVYVQAANLHLSL	169	SEQ ID NO:33
CRYIFb	NNAQLREDVRIRFANTDDALITAINNFTLTSFEIPLLSVYVQAANLHLSL	169	SEQ ID NO:34
CRYIGa	NNPASQERVTRFRLTDDAIVTGLPTLAIRNLEVVNLSVYTQAANLHLSL	169	SEQ ID NO:35
CRYICa	NNPETRTRVIDRFRILDGLLERDIPSFRIISGFVPLLSVYAQAANLHLAI	170	SEQ ID NO:36
	↑ R148 ↓		
CRYICb	DNPVTRTRVVDRFRILDGLLERDIPSFRIAGFEVPLLSVYAQAANLHLAI	170	SEQ ID NO:37
CRYIEa	TNPALKEEMRTQFNDMNSILVTAIPLFSVQNYQVPFLSVYVQAANLHLSV	169	SEQ ID NO:38
CRYIEb	TNPALREEMRIQFNDMNSALTTAIPLFSVQGYEIPLLSVYVQAANLHLSV	168	SEQ ID NO:39
CRYIDa	TNPALREEMRIQFNDMNSALITAIPLFRVQNYEVALLSVYVQAANLHLSI	170	SEQ ID NO:40
CRYIDb	SNPALREEMRTQFNVMSALIAAIPLLRVRNYEVALLSVYVQAANLHLSV	170	SEQ ID NO:41
CRYIHa	NEALQQDVRNRFSTNDNALITAIPIILREQFEIPLLSVYVQAANLHLSL	173	SEQ ID NO:42

FIG. 6A

# FIG. 6A

CRYIHb	NNESLQQDVNRFSNTDNALITAIPIILREQQFEIPLLTVYVQAANLHLSL	172	SEQ ID NO:43
CRYIJa	DNEAAKSVIDRFRILDGLIEANIPSFRIIGFEVPLLSVYVQAANLHLAL	170	SEQ ID NO:44
CRYIJb	DNTAARSRVTERFRIIDAQIEANIPSFRIIPGFEVPLLSVYQAQAAANLHLAL	170	SEQ ID NO:45
CRYIBa	DDARTRSVL YTQYIALELDFLNAMPLFAIRNQEVPLLMVYQAQAAANLHLLL	190	SEQ ID NO:46
CRYIBb	NDARSRSIILERYVALELDITTAIPLFRIRNEEVPLLMVYQAQAAANLHLLL	195	SEQ ID NO:47
CRYIBC	NDARSRSIILERYVALELDITTAIPLFRIRNEEVPLLMVYQAQAAANLHLLL	195	SEQ ID NO:48
CRYIKa	NDARSRSIIRERYIALELDITTAIPLFSIRNEEVPLLMVYQAQAAANLHLLL	196	SEQ ID NO:49
CRYIIa	NNTRARSVVKSQYIAELMFVQKLPSFAVSGEEVPLLPYQAQAAANLHLLL	199	SEQ ID NO:50
CRYIIB	NNTRARSVVKNQYIAELMFVQKLPSFAVSGEEVPLLPYQAQAAANLHLLL	199	SEQ ID NO:51

FIG. 6B



FIG. 7A

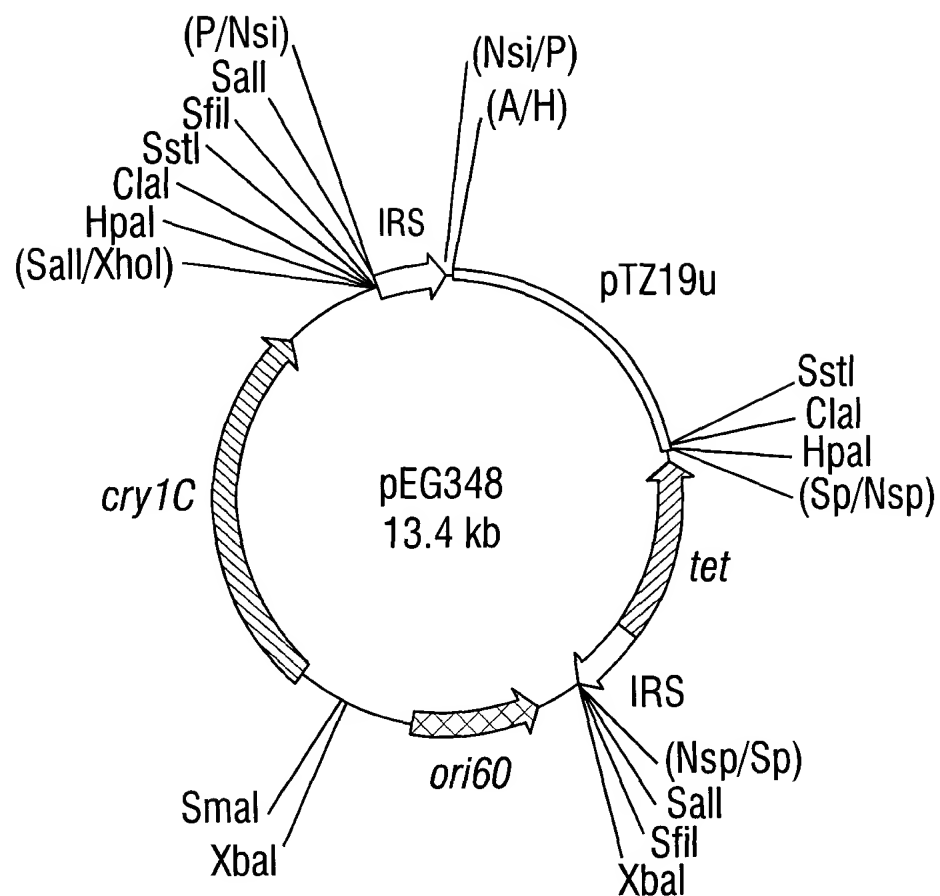


FIG. 7B

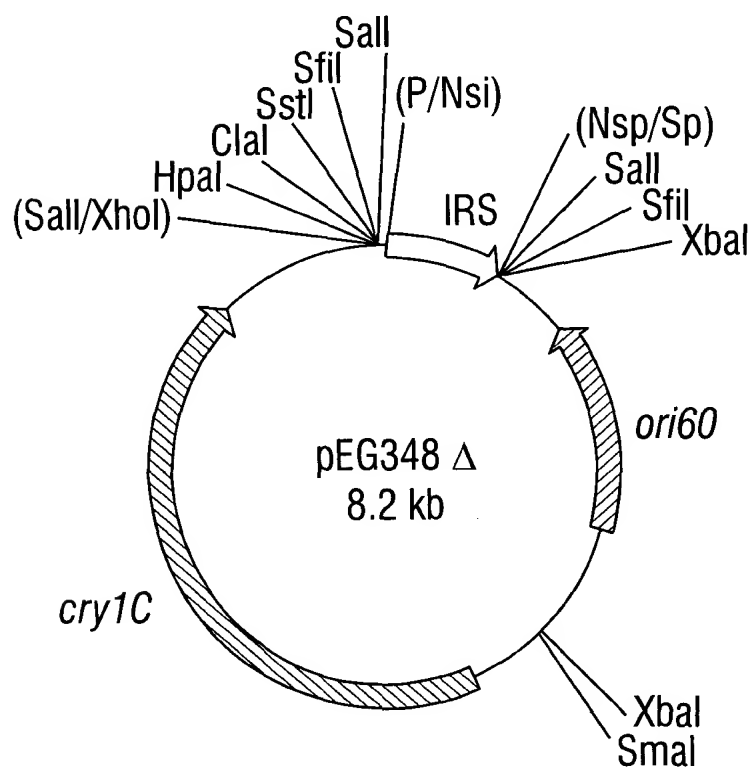


FIG. 8A

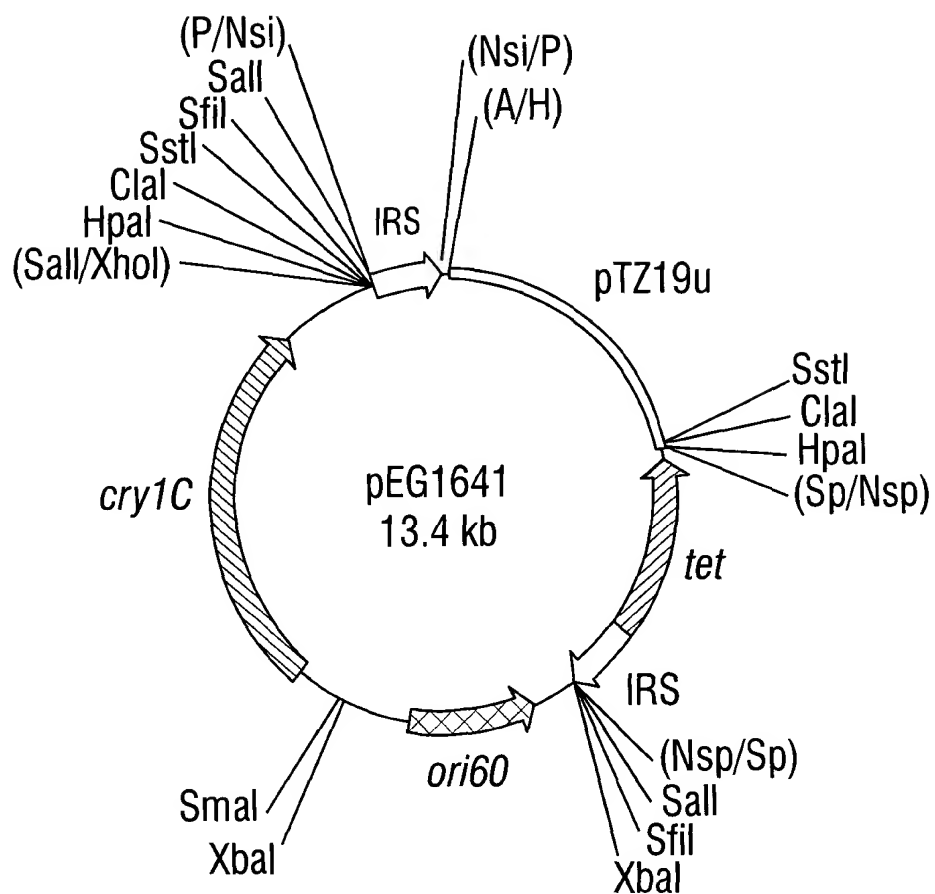
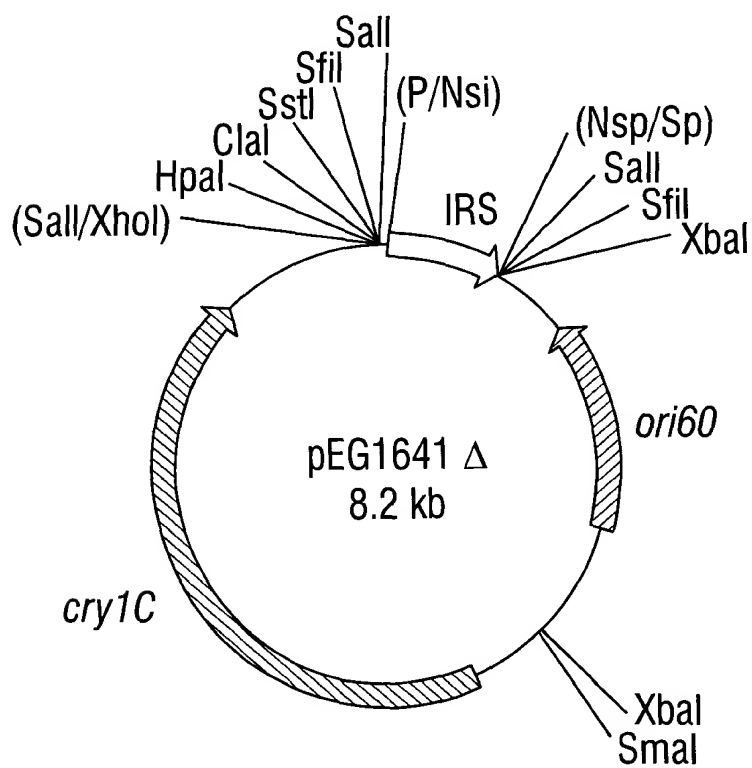


FIG. 8B



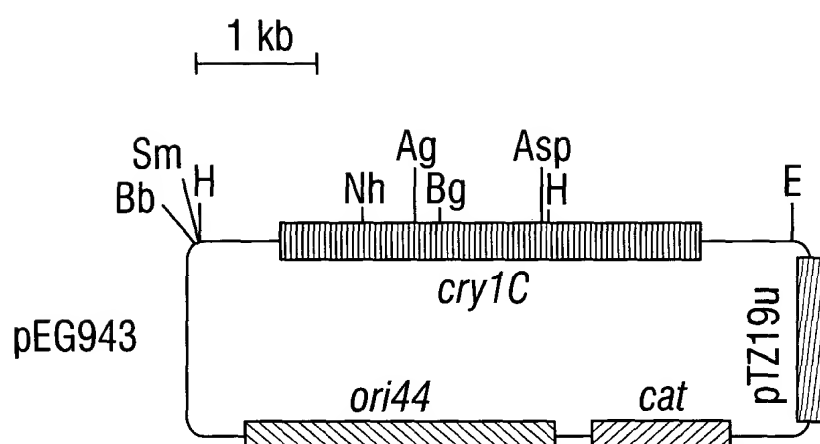


FIG. 9

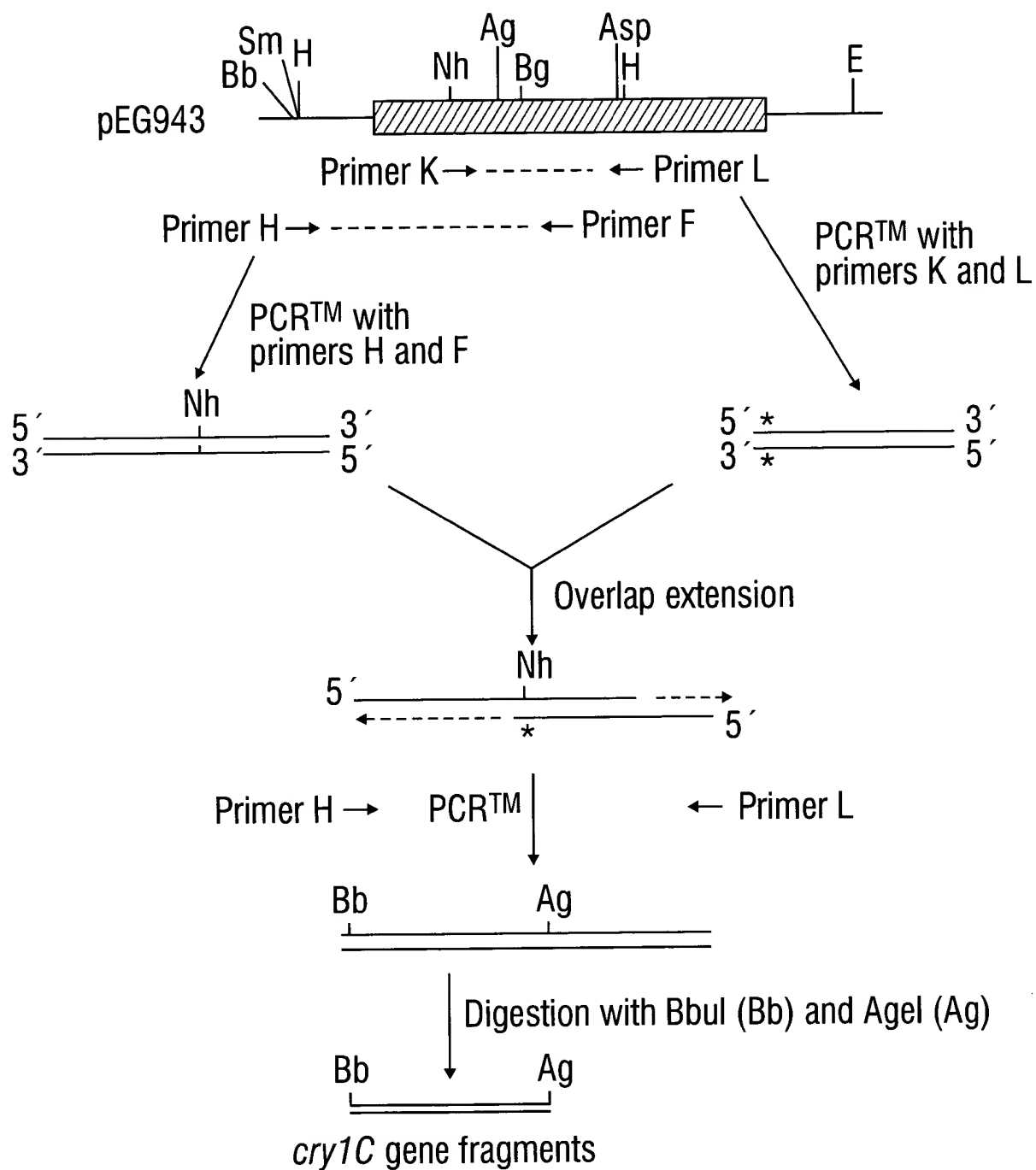


FIG. 10

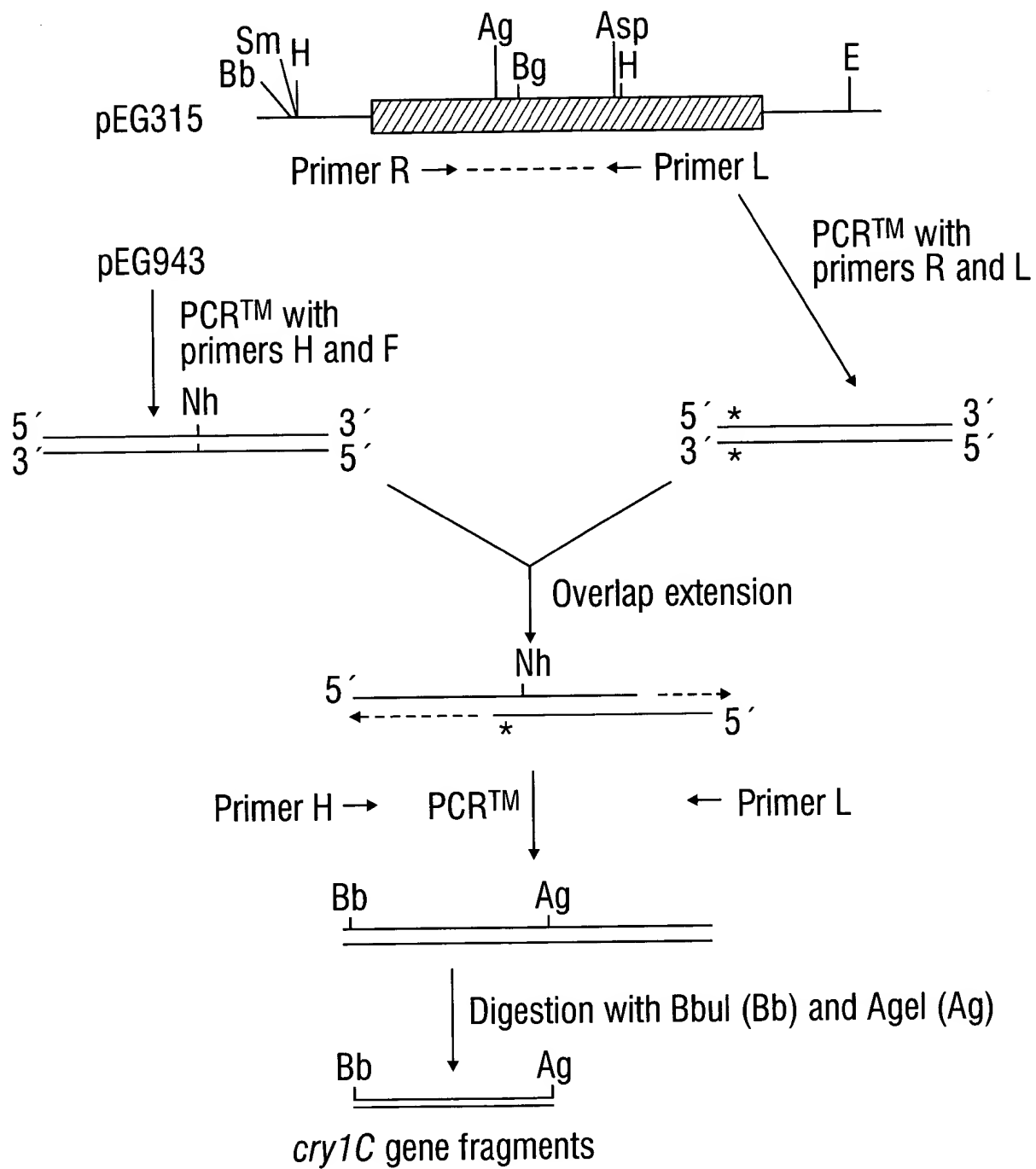


FIG. 11